

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175–2474 T (786) 315–2590 F (786) 315–2599

MIAMI-DADE COUNTY, FLORIDA

www.miamidade.gov/pera/

Tischler und Sohn (USA) Ltd. Six Suburban Avenue Stamford, CT 06901

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Mahogany Impact" Wood Inswing Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1531, titled "In-Swing Impact Wood Casement Window", sheets 1 through 14 of 14, dated 04/03/08 with revision "A1" dated 10/25/11, prepared by W. W. Schaefer Engineering & Consultant, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Section revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 08-0804.16 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMIDADE COUNTY
APPROVED

J/645027

NOA No. 11-1101.11 Expiration Date: January 08, 2014 Approval Date: January 19, 2012

Page 1

Tischler und Sohn (USA) Ltd.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
 - (Submitted under previous NOA No. 08-0804.16)
- 2. Drawing No. 1531, titled "In-Swing Impact Wood Casement Window", sheets 1 through 14 of 14, dated 04/03/08 with revision "A1" dated 10/25/11, prepared by W. W. Schaefer Engineering & Consultant, P. A., signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of Wood Fixed and operable wood casement Windows, prepared by Architectural Testing, Inc., Test Reports No.'s **ATI-77324.01–109–18**, dated 06/30/08, signed and sealed by Michael D. Stremmel, P. E.

(Submitted under previous NOA No. 08-0804.16)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2004 and FBC-2007, prepared by W. W. Schaefer Engineering & Consultant, P. A., dated 07/28/08, signed and sealed by Warren W. Schaefer, P. E.
 - (Submitted under previous NOA No. 08-0804.16)
- 2. Glazing complies with ASTM E1300–02/04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11–0325.05 issued to Solutia, Inc. for their "Saflex Clear or colored Interlayer" dated 04/21/11, expiring on 04/21/16.
- 2. Notice of Acceptance No. 08-0520.08 issued to Solutia, Inc. for their "Vanceva Composites Glass Interlayer" dated 07/17/08, expiring on 12/11/13.

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1101.11

Expiration Date: January 08, 2014 Approval Date: January 19, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance, no financial interest and compliance with FBC 2010, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 10/27/11, signed and sealed by Warren W. Schaefer, P.E.
- 2. Statement letter of independence, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 10/24/11, signed and sealed by Warren W. Schaefer, P.E.
- 3. Distributor Agreement between Tischler und Sohn (USA), Ltd., Connecticut, USA, and Tischler/ Cornelius Korn, G.m.b.H., Wedel (Holstein) S. H., Germany, dated 04/13/09, signed by Tim Carpenter and Wilhelm Korn, respectively.
- 4. Statement letter of conformance and compliance with FBC 2007, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 12/12/07, signed and sealed by Warren W. Schaefer, P. E.

(Submitted under previous NOA No. 08-0804.16)

5. Statement letter of no financial interest and independence, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 07/28/08, signed and sealed by Warren W. Schaefer, P. E.

(Submitted under previous NOA No. 08-0804.16)

6. Laboratory compliance letters for Test Report No. ATI-77324.01-109-18, issued by Architectural Testing, Inc., dated 06/26 and 07/01/08, all signed and sealed by Michael D. Stremmel, P. E.

(Submitted under previous NOA No. 08-0804.16)

7. Test Proposal No. 07–2960 issued by Product Control, dated 07/24/07 revised on 08/16/07 and signed by Manuel Perez, P. E.

(Submitted under previous NOA No. 08–0804.16)

G. OTHERS

1. Notice of Acceptance No. 08-0804.16, issued to Tischler und Sohn (USA), Ltd. for their Series "Mahogany Impact Wood Inswing Casement Window - L.M.I.", approved on 01/08/09 and expiring on 01/08/14.

Jaime D. Gascon, P. E. Product Control Section Supervisor

NOA No. 11-1101.11

Expiration Date: January 08, 2014 Approval Date: January 19, 2012

GENERAL NOTES:

- THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)
- 2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCALS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
- 5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE 70NFS (HVHZ).
- 6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
- 7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- 8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE 7 STANDARD.

 9. NO INCREASE IN ALLOWARIE STRESS HAS BEEN LISED IN THE CERTIFICATION OF THIS
- 9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd=1.6 was used for wood screw analysis only.
- 10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- 11. All WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

CORNER CONSTRUCTION:

<u>RECTANGULAR FRAME CORNERS:</u> MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

ARCHED FRAME CORNERS: ARCHED FRAME BUTTED TO STRAIGHT FRAME, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT. HALF ROUND FRAME CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

RECTANGULAR SASH CORNERS: MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

ARCHED SASH CORNERS: ARCHED SASH BUTTED TO STRAIGHT SASH, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT. HALF ROUND SASH CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

EDAME ANOLIOD DEGLIDEMENTS TADLE						
FRAME ANCHOR REQUIREMENTS TABLE						
OPENING TYPE FRAME/CLIP/BRACKET TO MINIMUM MINIMUM (SUBSTRATE) OPENING FASTENER TYPE EMBED EDGE DIST						
FRAME SCREWS						
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS/WOOD SCREW OR 1/4" BTI SCREW	1 1/4"	3/4"			
MIN. 18 GA. 33 KSI METAL STUD	(2)1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"			
MIN. 1/8" THK A36 STEEL	(2)1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"			
MIN. 1/8" THK 6063-T5 ALUM.	(2)1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"			
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"			
INS	STALLATION CLIP SCREWS					
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G≃0.55)	NO. 12 X 1 1/2" SMS	1 3/8"	3/4"			
MIN. 18 GA. 33 KSI METAL STUD	(2)12-14 SELF TAP/DRILLING SCREW	FULL	1/2"			
MIN. 1/8" THK A36 STEEL	(2)12-14 SELF TAP/DRILLING SCREW	FULL	1/2"			
MIN. 1/8" THK 6063-T5 ALUM.	(2)12-14 SELF TAP/DRILLING SCREW	FULL	1/2"			
C-90 CMU/2500 PSI CONCRETE (1) 1/4" CONCRETE SCREW 1 1/4" 2"						
BTI BRACKET & ANGLE CLIP SCREWS						
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 1/8"	3/4"			
	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"			
	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"			
MIN. 1/8" THK 6063-T5 ALUM.	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"			
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).						

(2) ALL SELF TAP/DRILLING SCREWS SHALL BE MIN. GR. 5

LOCK STRIKE RE	
SASH	QUANTITY
WIDTH	PER PANEL
RECTANGULAR	R PANEL
OVER 24"	2
LESS THAN 24"	1
ARCH TOP	PANEL
OVER 28"	3
15" TO 28"	2
LESS THAN 15"	1
ROUND TOP	PANEL
OVER 32"	4
20" TO 32"	3
12" TO 20"	2
LESS THAN 12"	1

LOCK STRIKE RE	
SASH HEIGHT	QUANTITY PER PANEL
ALL PANEL	SHAPES
OVER 77"	3
40" TO 77"	2
LESS THAN 40"	1

LOCK STRIKE RE (BOTTOM OF	QUIREMENTS PANEL)
SASH WIDTH	QUANTITY PER PANEL
ALL PANEL	SHAPES
OVER 32"	3
24" TO 32"	2
LESS THAN 24"	1

OCK STRIKE R (HINGE SIDE O WINDO	f tilt-turn
SASH	QUANTITY

L	_ <i></i>
SASH HEIGHT	QUANTIT PER PAN
ALL PANEL	SHAPES
OVER 79"	4
45" TO 79"	3
27" TO 45"	2
LESS THAN 27"	1
NOTE: WHEN WINI TILT— TURN, ONL HINGES ARE USEI COMBINED WITH I POINTS. WHEN WI SWING ONLY, ONI EXIST.	Y 2 D LOCK NDOW IS

SASH WIDTH DIMENSIONS ARE
APPROXIMATELY 2 1/2" LESS
THAN THE FRAME WIDTH &
SASH HEIGHT DIMENSIONS ARE
APPROXIMATELY 3" LESS THAN
THE FRAME HEIGHT

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE OPAWINGS.

HINGE REQUIREMENTS SASH QUANTITY HEIGHT PER PANEL POT HINGES **OVER 74**" 5 51" TO 74" 4 27" TO 51" 3 LESS THAN 27" 2 SCREWED-IN HINGES **OVER 74**" 4 46" TO 74" 3 LESS THAN 46" 2 CONCEALED HINGES OVER 78" 5

54" TO 78'

29" TO 54"

LESS THAN 29'

HINGE REQUIREMENTS
(TILT-TURN WINDOWS)

2 PER WINDOW
(ALL SIZES OF ALL WINDOWS)

4

3

ALLOWABLE DESIGN PRESSURE (SINGLE & DOUBLE WINDOWS)

THE "SASH HEIGHT" IS

CONSIDERED TO BE FULL SASH

HEIGHT FOR RECTANGULAR

UNITS OR DISTANCE FROM THE

BASE OF SASH TO SASH

SRINGLINE FOR SHAPED UNITS

MAX. FRAME	MAX. FRAME	ALLOWABLE	PRESSURE			
HEIGHT (IN.)	WIDTH (IN.)	POSITIVE (PSF)	NEGATIVE (PSF)			
	SINGLE	WINDOW				
100 3/4	51 1/8	70	70			
76 11/16	35 15/16	70	(1) 85			
	DOUBLE	WINDOW				
100 3/4	79 1/16	(2) 70	(2) 70			
76 11/16"	71 13/16	70	(1) 85			
(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTION 2 & STANDARD SIZE MEETING STILES ARE USED						

(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTION 2 & STANDARD SIZE MEETING STILES ARE USED (2) WITH FULL SIZE SINGLE WINDOWS USING GLASS OPTION 4, ALLOWABLE PRESSURE MUST BE REDUCED TO +/-66 PSF. PRESSURE MAY BE INCREASED TO +/-70 PSF IF THE D.L.O. WIDTH IS DECREASED TO MAX. 39.5" OR THE D.L.O. HEIGHT IS DECREASED TO MAX. 87".

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-118
Expiration Plate 5/108/2014

Miami Dade Product Control

No. 44135

No. 4

TISCHLER UND SOHN (
SIX SUBURBAN AV
STAMFORD, CONNEC
203-674-060 CASEMENT WINDOW WOOD P.A. (CA 6809)
DURI NORTH
ENS. FL 33418 **IMPACT** SULTANTS

W. SCHAEFER
CONSULTING, F SWING ડે **≯.જ** SCHAEFER, NO. 44135 2011 27

18

1531 SHEET NO.

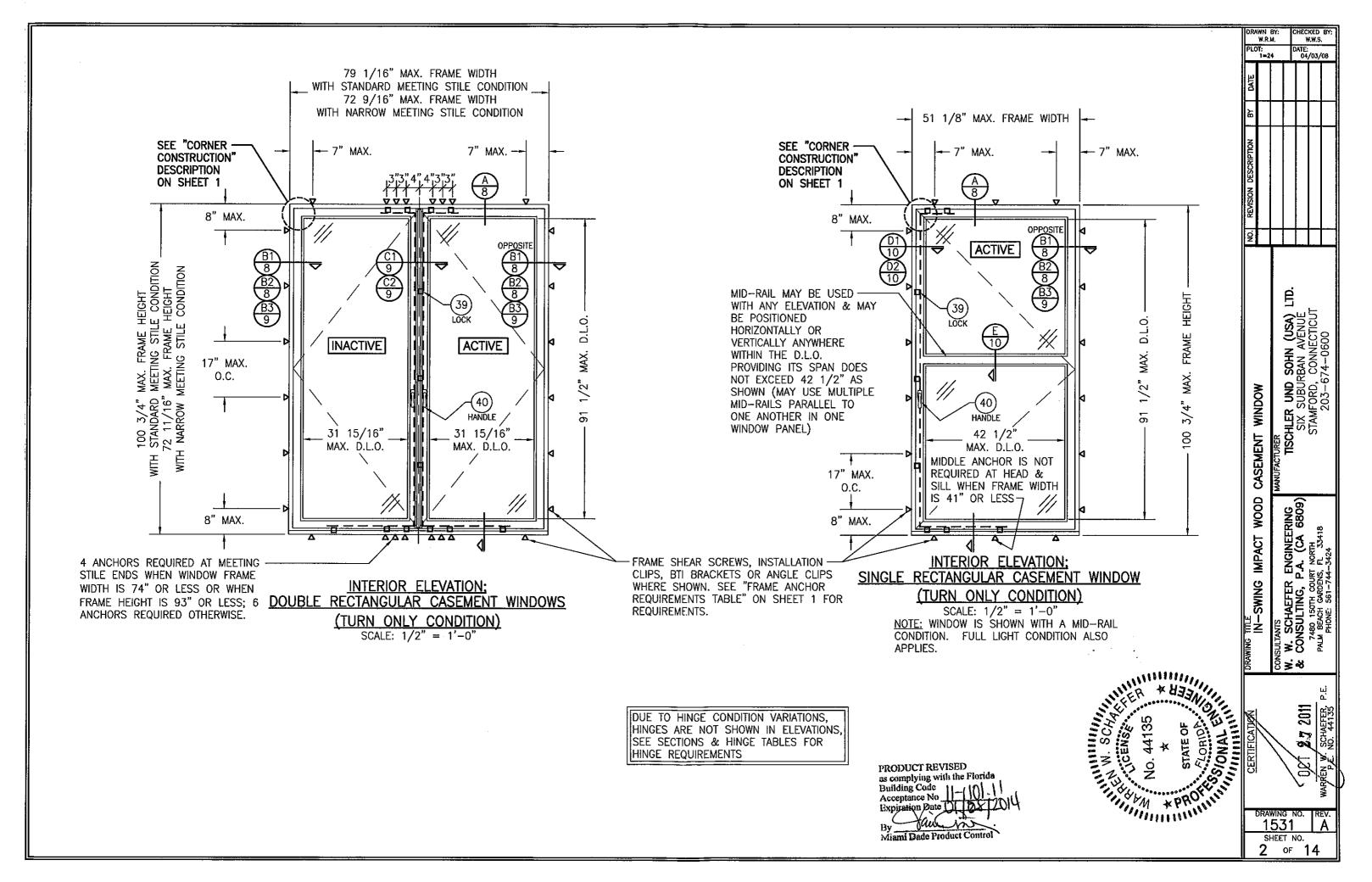
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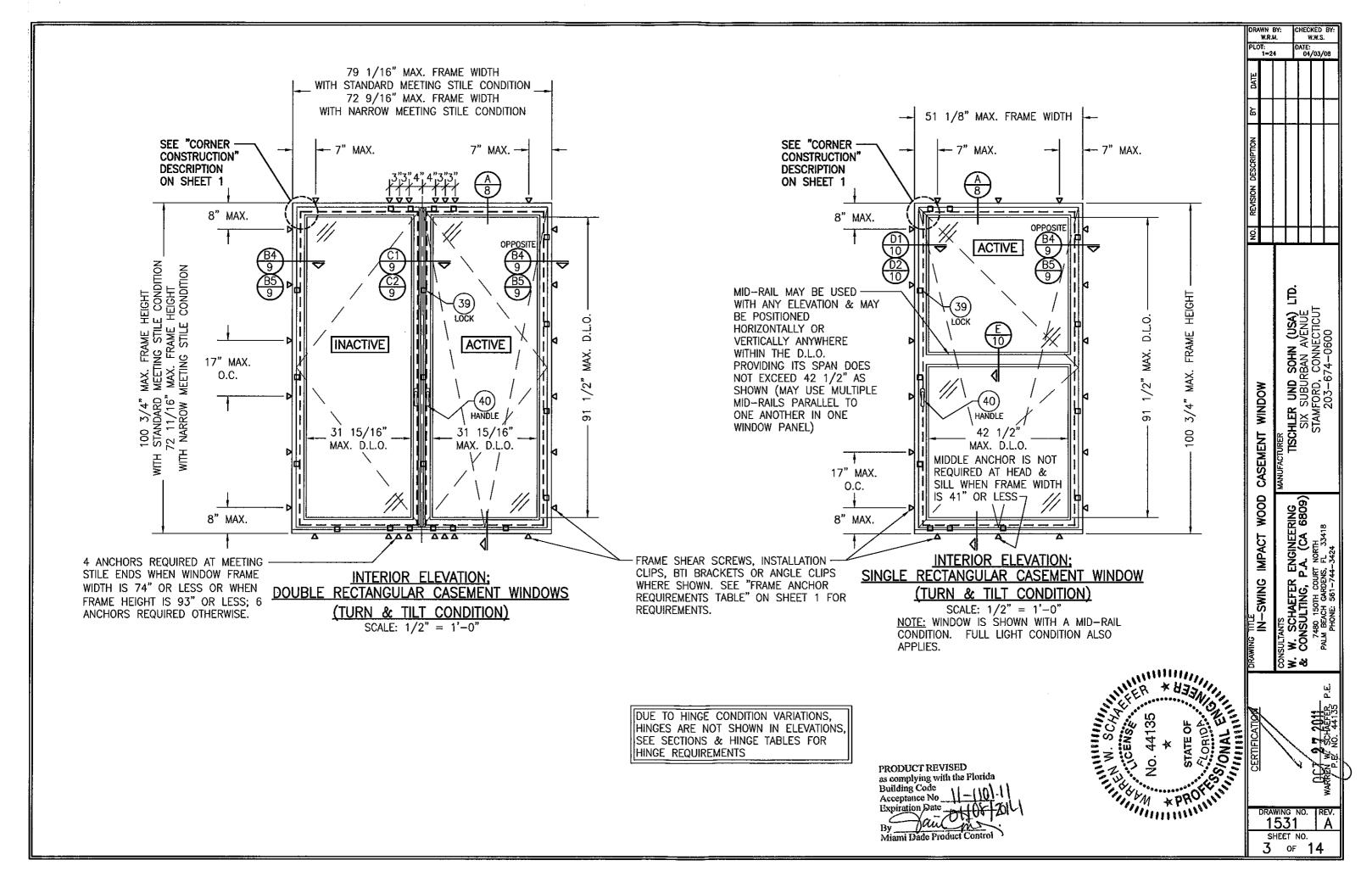
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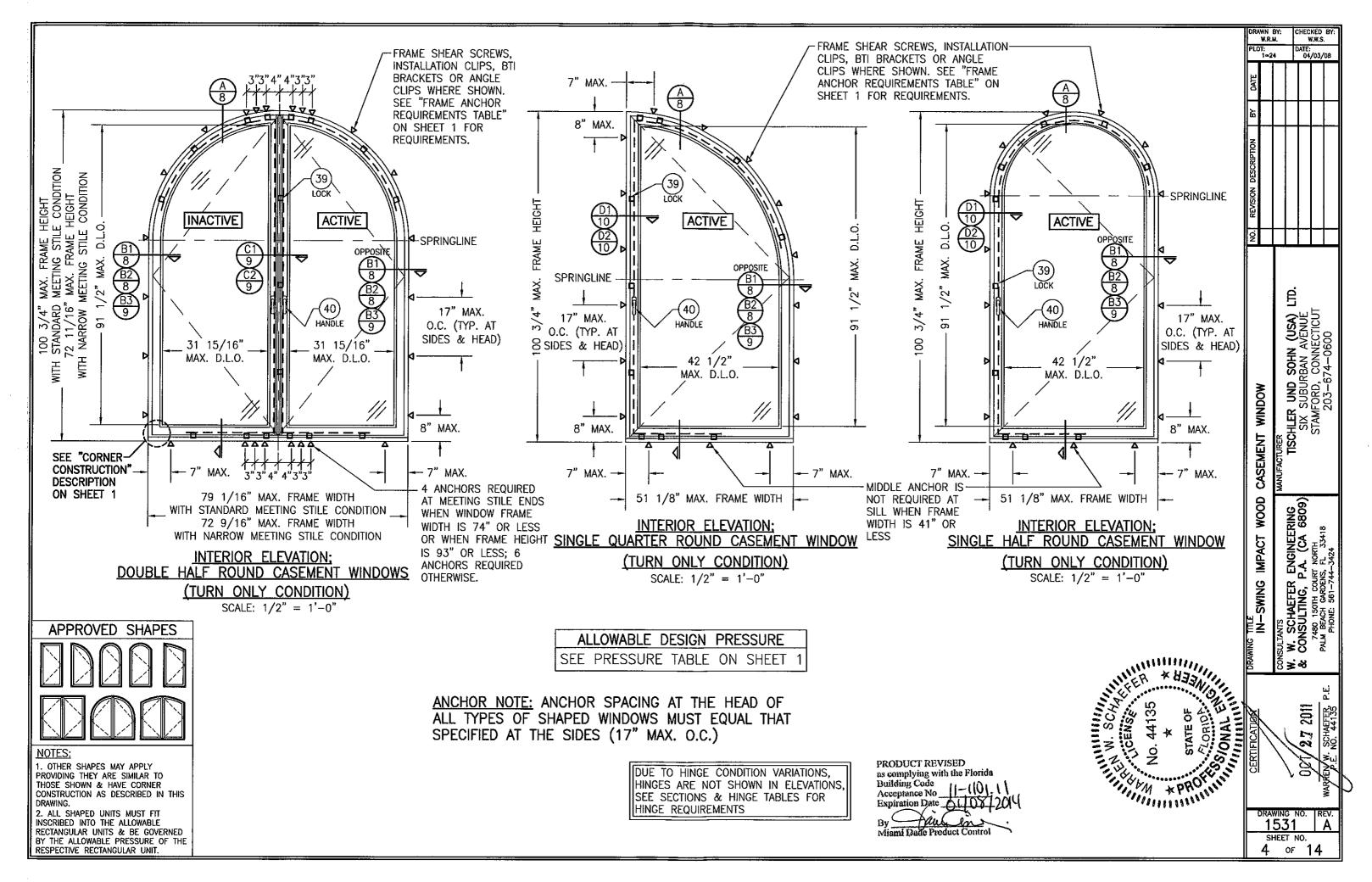
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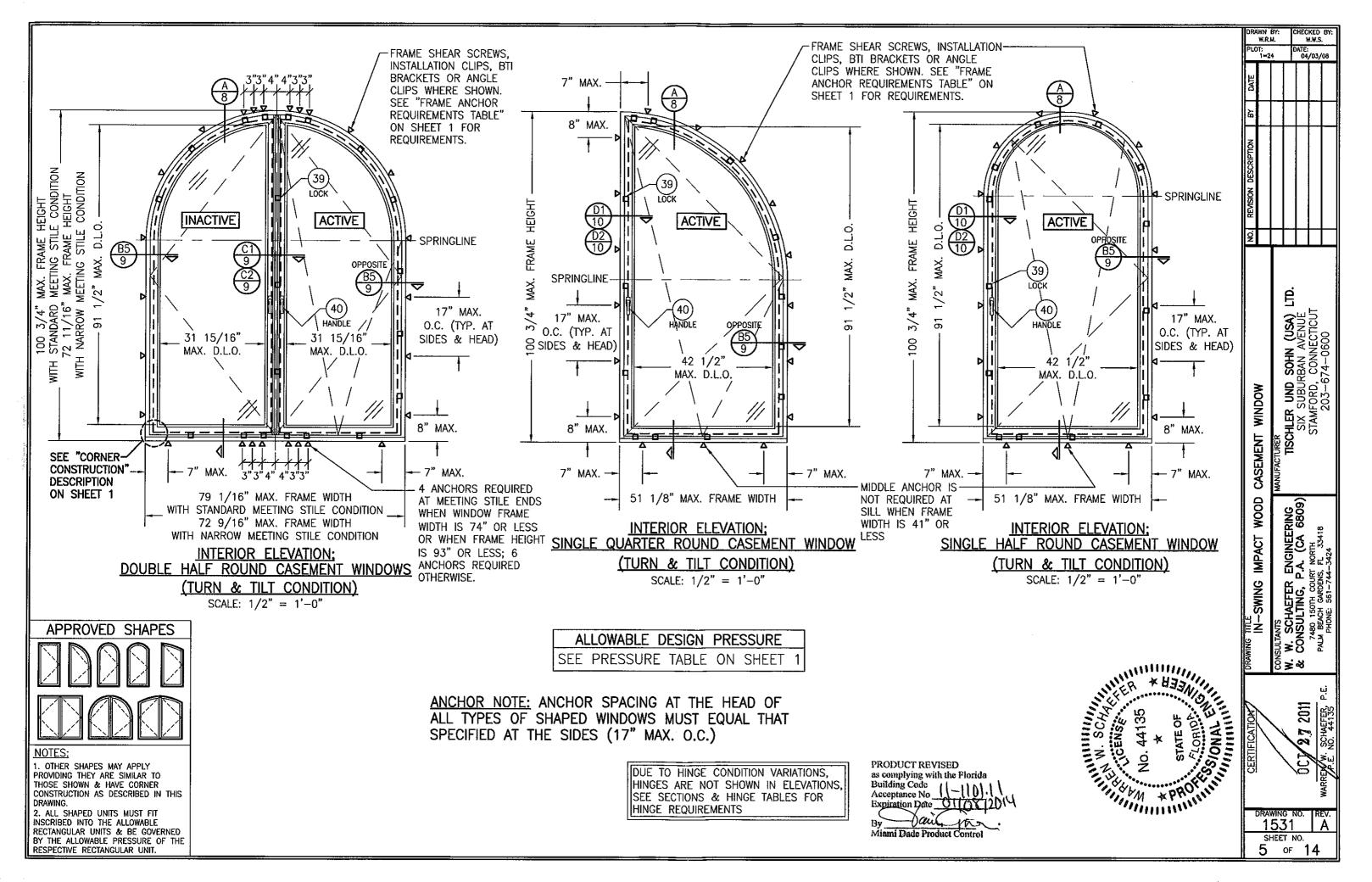
04/03/08

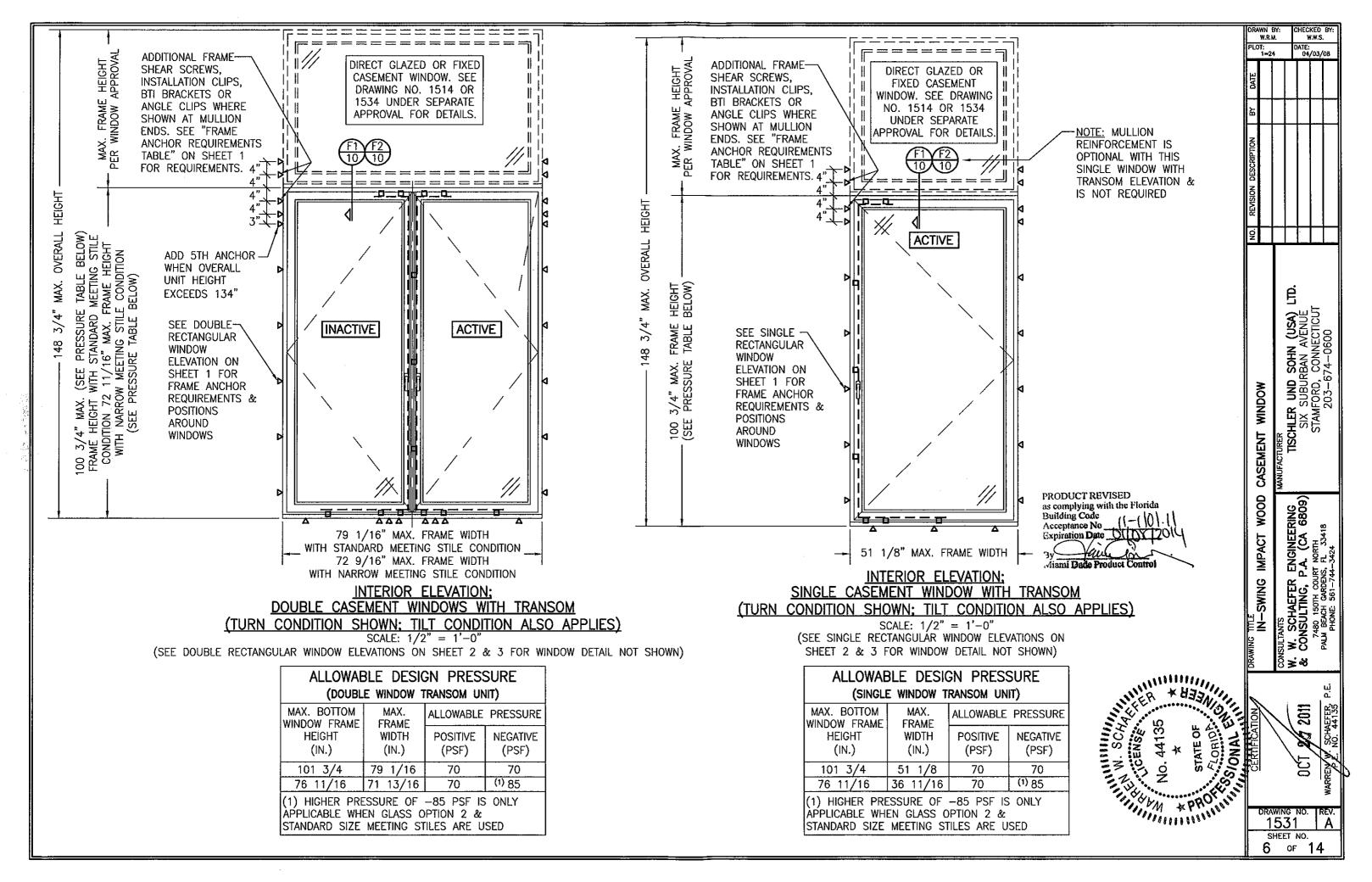
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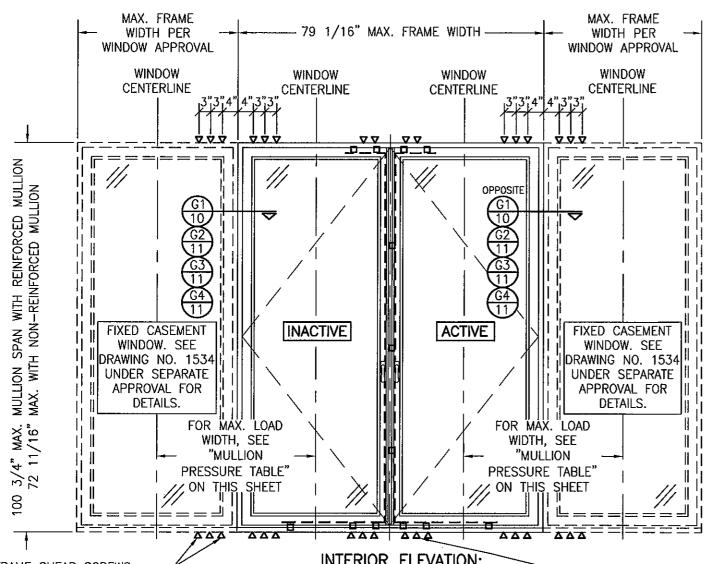












ADDITIONAL FRAME SHEAR SCREWS; INSTALLATION CLIPS, BTI BRACKETS OR ANGLE CLIPS WHERE SHOWN AT MULLION TABLE" ON SHEET 1 FOR REQUIREMENTS. (SEE MULLION PRESSURE TABLE FOR REQUIRED QUANTITY OF ANCHORS AT MULLION ENDS)

INTERIOR ELEVATION: DOUBLE WINDOW UNIT WITH SIDELITES

ANGLE CLIPS WHERE SHOWN AT MULLION

SCALE: 1/2" = 1'-0"

ENDS. SEE "FRAME ANCHOR REQUIREMENTS OXXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.

SEE INDIVIDUAL WINDOW ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND WINDOWS

MULTIPLE UNIT NOTES:

- 1. FOR ALL DETAIL NOT SHOWN, INDIVIDUAL WINDOW ELEVATIONS.
- 2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERED FROM THE WINDOWS & THEIR MULLIONS.
- 3. ANY COMBINATION OF FIXED/OPERABLE WINDOWS IN ONE OPENING SHALL APPLY.
- SHAPED WINDOWS ALSO APPLY TO SIDE MULLING (WHEN APPLICABLE) UNDER THE SAME RESTRICTIONS SHOWN.
- 5. MULLIONS MAY BE A 1-PIECE SECTION OR JAMB TO JAMB. SEE SECTIONS G1 THROUGH G4 FOR DETAIL.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No Expiration Date
By Miami Dade Product Control

MUI	LLION AL	TOMARI	LE DESI	GN F	YKESS	SURE		W.R	N.		v.w.s.	
MAXIMUM	MAXIMUM	ALLC	WABLE P	RESSU	RE (+/	/- PSI	=)	PLOT: 1=:	24	DATE: 04,	/03/	0
MULLION	LOAD	NON-REI	NFORCED		REINFO	ORCED	·		П		П	Ī
SPAN (IN.)	WIDTH (IN.)	4 OR			END		END	DATE	Ш			l
(114.)	("14.)	ANCH			HORS		HORS	\vdash	╁┼		H	۲
		POS.	NEG.	POS.	NEG.	POS.	NEG.	₽	Ш			
	51	N/A	N/A	46.5	46.5	53.8	53.8		TT	_	П	ſ
	49	N/A	N/A	49.3	49.3	57.1	57.1	S S	Ш			
101	43	N/A	N/A	56.2	56.2	65.1	65.1	REVISION DESCRIPTION	Ш			
107	37	N/A	N/A	65.3	65.3	70.0	75.2	SESC	Ш			
	31	N/A	N/A	70.0	78.0	70.0	85.0	N N	Ш			
	25	N/A	N/A	70.0	85.0	70.0	85.0	NSI(Ш			
	51	N/A	N/A	48.9	48.9	56.7	56.7	8	Ш			
	49	N/A	N/A	51.9	51.9	60.1	60.1	ġ	H	+	П	ſ
96	43	N/A	N/A	59.2	59.2	68.5	68.5		┰	—		_
30	37	N/A	N/A	68.8	68.8	70.0	79.6		ı			
	31	N/A	N/A	70.0	82.1	70.0	85.0		ı			
	25	N/A	N/A	70.0	85.0	70.0	85.0		(Ë.		
	51	N/A	N/A	55.9	55.9	64.7	64.7	ŀ			_	
	49	N/A	N/A	59.3	59.3	68.7	68.7		13	ENCE VENCE	ICUI	
84	43	N/A	N/A	67.6	67.6	70.0	78.3				5	ζ
	37	N/A	N/A	70.0	78.6	70.0	85.0			z₹	빌	č
	31	N/A	N/A	70.0	85.0	70.0	85.0			SOHN BAN 4	Ś.	•
	51	N/A	N/A	61.0	61.0	70.0	70.6			UND SOH UBURBAN	FORD, CONNECTI	ľ
77	49	N/A	N/A	64.7	64.7	70.0	75.0	₹			8	ŗ
77	43	N/A	N/A	70.0	73.8	70.0	85.0	WINDOW		ᇎᄧ	툿	Č
	37	N/A	N/A	70.0	85.0	70.0	85.0	₹	֓֞֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֡֓֓֡֓֡֓֡֓	ISCHLER SIX	STAM	
	51	54.7	54.7	64.6	64.6	70.0	74.8	اجا	<u>بر</u> ۾	္က	ĆΣ	
	49	56.7	56.7	68.5	68.5	70.0	79.3	CASEMENT	MANUFACTURER	<u>~~</u>		
70 7/1	43	62.0	62.0	70.0	78.1	70.0	85.0		FAC			
72 3/4	37	70.0	70.0	70.0	85.0	70.0	85.0	∥ ફૅ	A N			
	31	70.0	80.7	70.0	85.0	70.0	85.0			$\overline{\mathbf{c}}$	_	
	25	70.0	85.0	70.0	85.0	70.0	85.0	WOOD	9	ခ်ရွိ		
	51	66.9	66.9	70.0	70.1	70.0	81.2	Ž	1 3	LEERING CA 6809)	α	2
	49	69.0	69.0	70.0	74.4	70.0	85.0	IMPACT		<u> </u>	NORTH	5
67	43	70.0	74.9	70.0	84.8	70.0	85.0	₽ĕ			ORT.	_
	37	70.0	83.7	70.0	85.0	70.0	85.0	≥				
	31	70.0	85.0	70.0	85.0	70.0	85.0	II.	1 :	¥	52	į
	51	70.0	77.0	70.0	77.0	70.0	85.0	₹		<u>=</u> 2	Ē	Ś
61	49	70.0	81.7	70.0	81.7	70.0	85.0	IN-SWING		₹ <u></u>	$\frac{5}{2}$	į
- •	43	70.0	85.0	70.0	85.0	70.0	85.0	ĽŻ	TANTS	3	7480 150TH COURT	֡֝֝֝֝֝֝֟֝֝֝֝֝֝֟֝֝֝֝֝֟֝֓֓֓֩֩֩֡֝֩֡֩֓֓֩֩֩֡֩֡֩֡֩֩֡֩֡֩
55	51	70.0	85.0	70.0	85.0	70.0	85.0	S	불:	<u>₹</u>	¥ 4	į
NOTES:							·	SAW	ISING.	- U	٥	_
1. LOAD W	IDTH IS THE	E DISTANC	E BETWE	EN WIN	IDOW			4811	W	6 ₩		
CENTERLINE		DE001155	011411 5	~ T		D 65 9	7666 E	P	× A	35,	11,	Ļ
	BLE UNIT P								1		4	Ç
- RF 1 PF	·		- 1 P 77 !!								_	

MILLION ALLOWARIE DESIGN PRESSURE

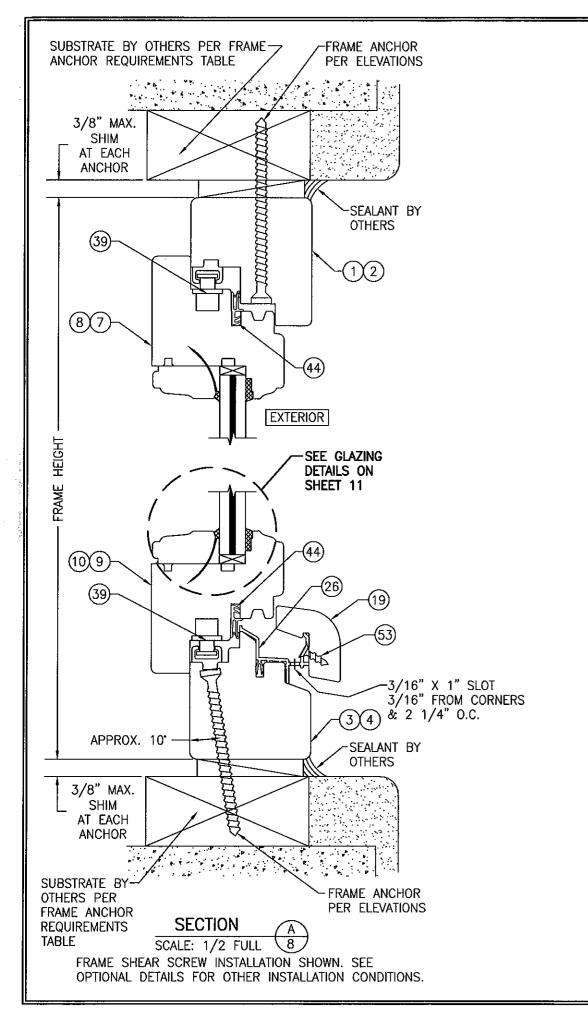
- 2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURES SHOWN IN THIS TARIF & THOSE CONTROLLED THE INDIVIDUAL WINDOW.
- 3. "N/A" DESIGNATES A SIZE NOT APPLICABLE TO THAT REINFORCEMENT CONDITION.
 4. SIZE VALUES IN TABLE ARE +/-1/2"

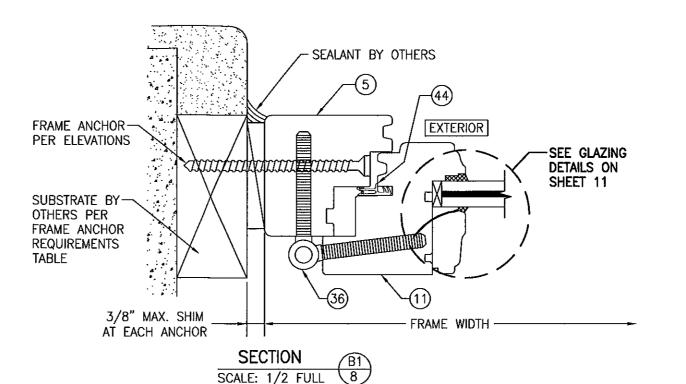
OCT 27 2011

1531 SHEET NO. 7 of 14

CHECKED BY W.W.S.

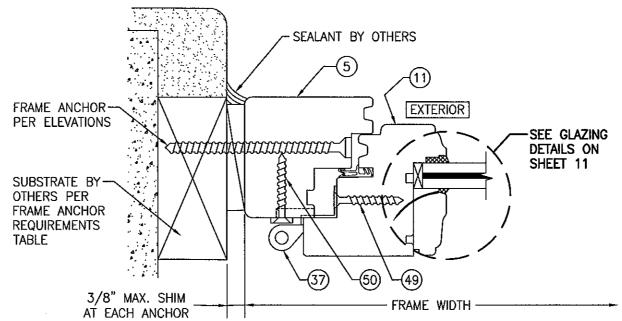
DATE: 04/03/08





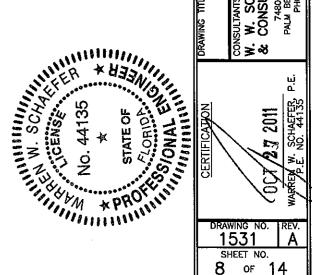
SCALE: 1/2 FULL 8
(SCREWED IN HINGE CONDITION)

FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.



SECTION B2
SCALE: 1/2 FULL 8

(POT HINGE; TURN ONLY CONDITION)
FRAME SHEAR SCREW INSTALLATION SHOWN. SEE
OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.
(FOR DETAIL NOT SHOWN, SEE SECTION B1/8)



CHECKED BY: W.W.S.

ATE: 04/03/08

TISCHLER UND SOHN SIX SUBURBAN A

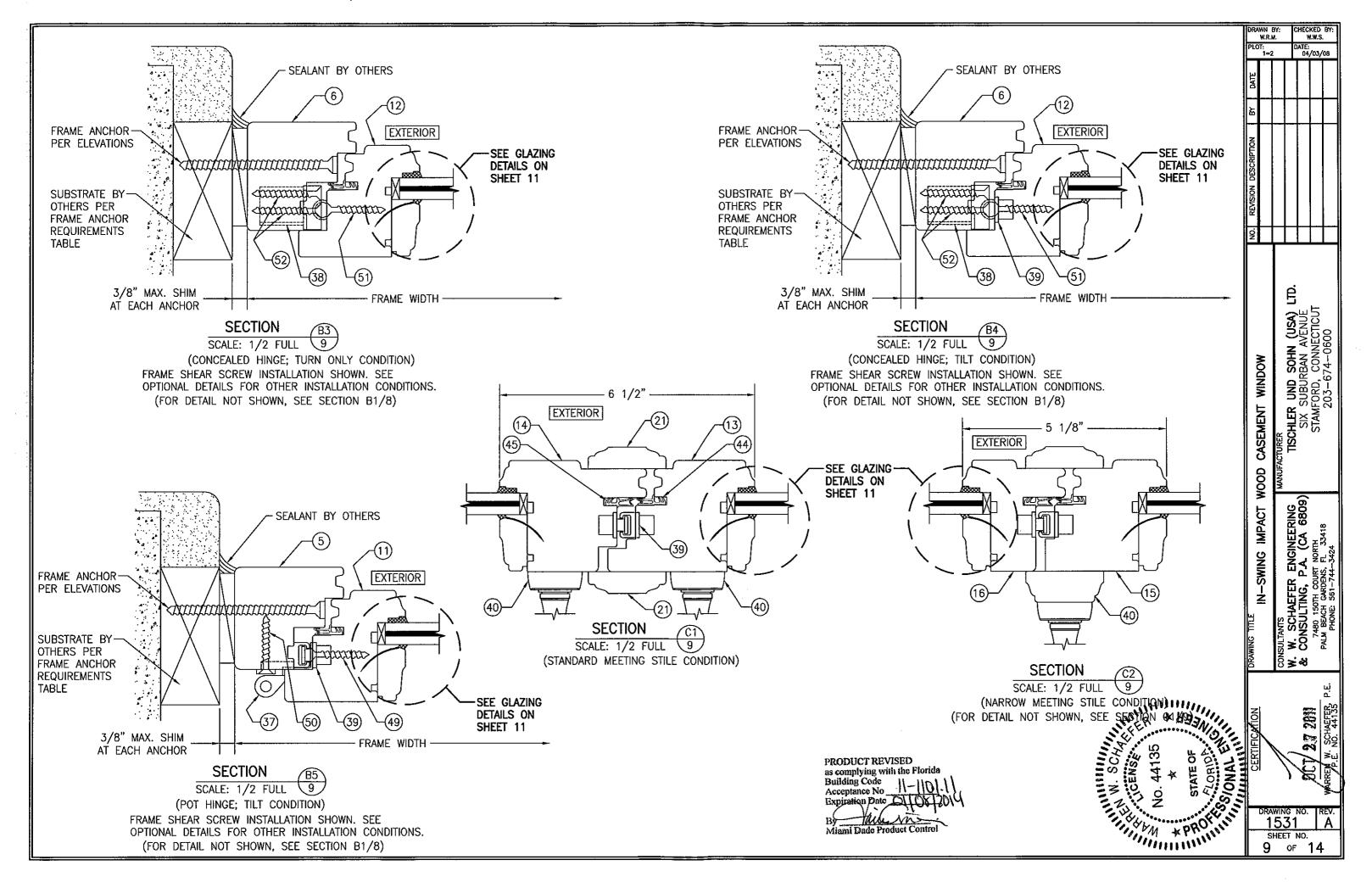
WINDOW

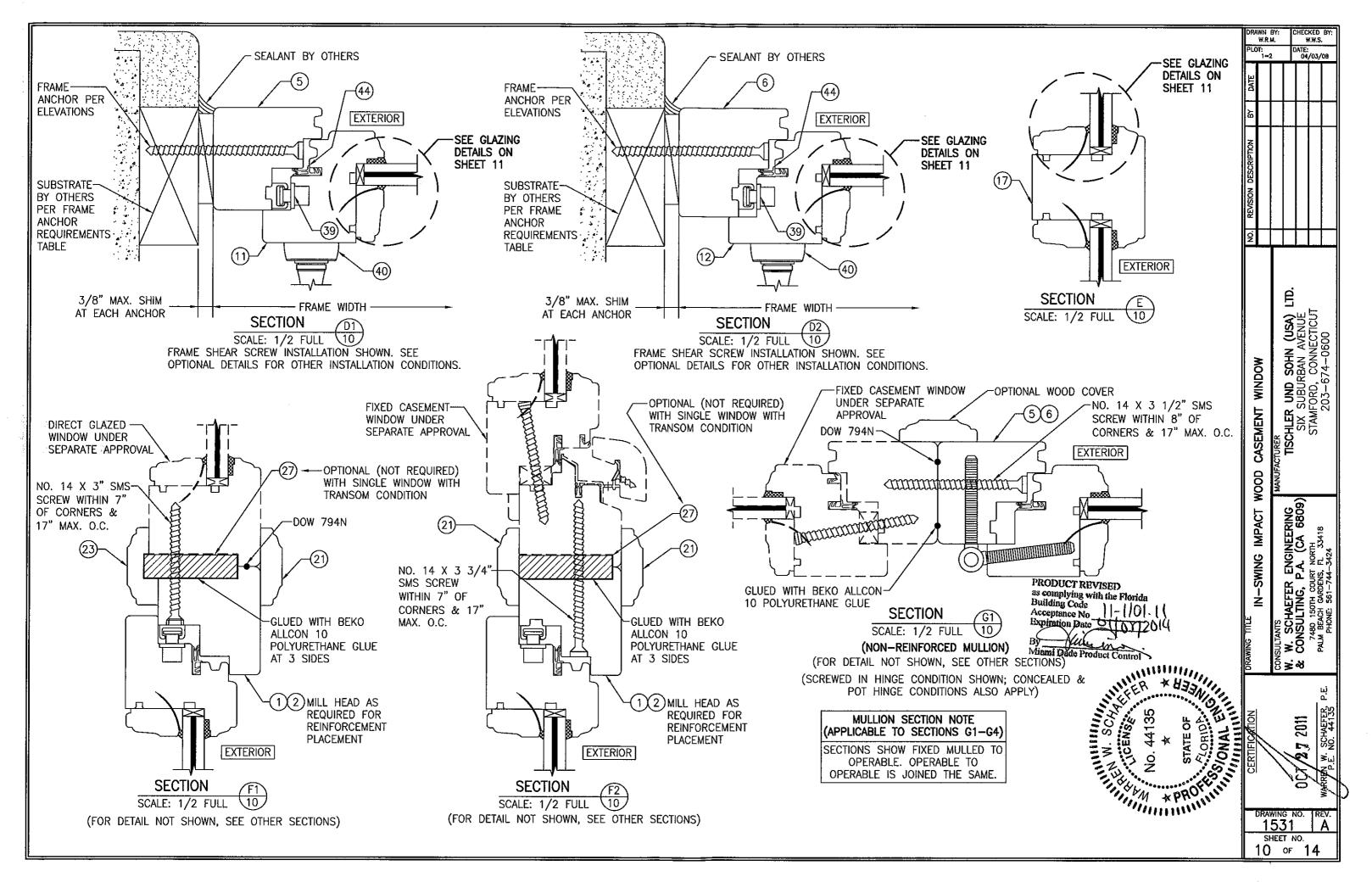
CASEMENT

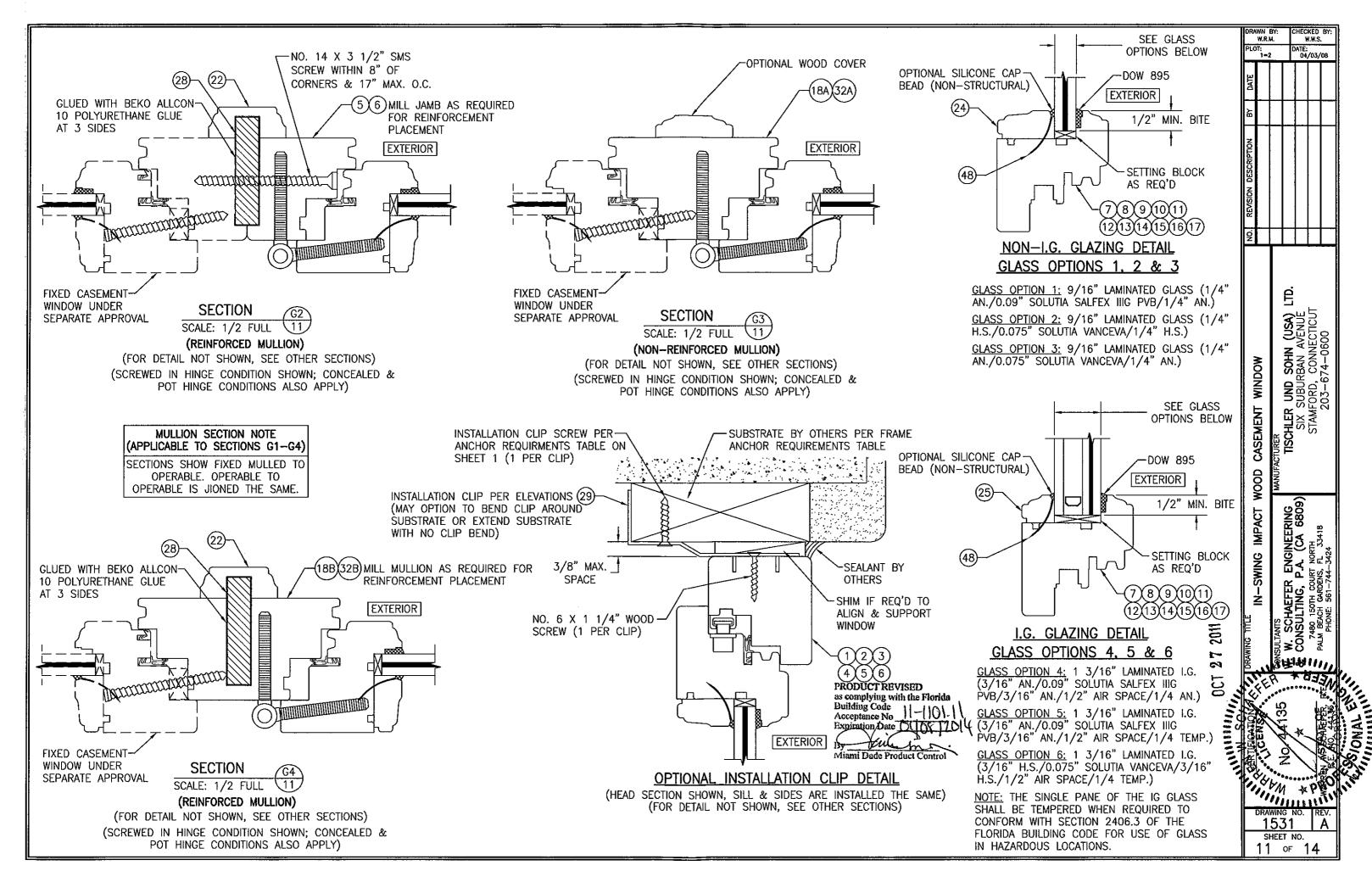
WOOD

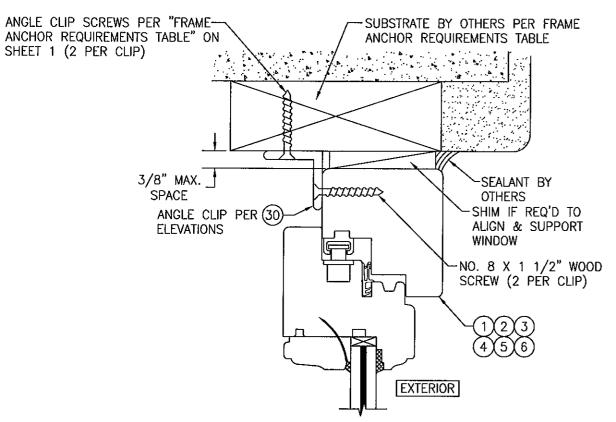
IN-SWING

RAWN BY: W.R.M.



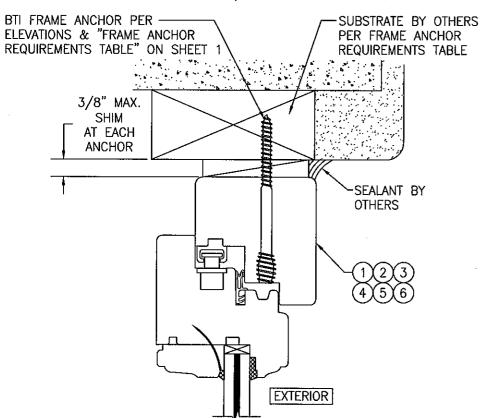






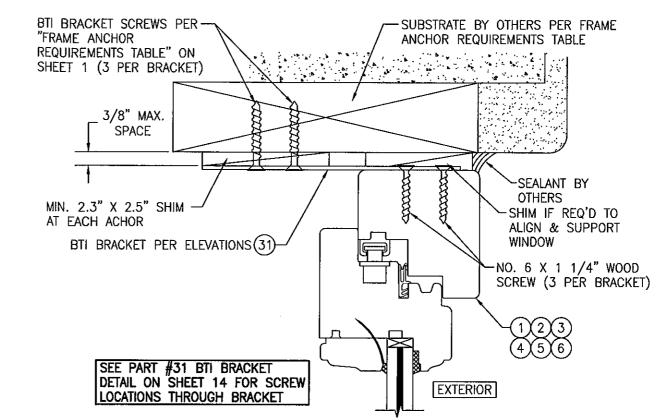
OPTIONAL INSTALLATION ANGLE CLIP DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME) (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



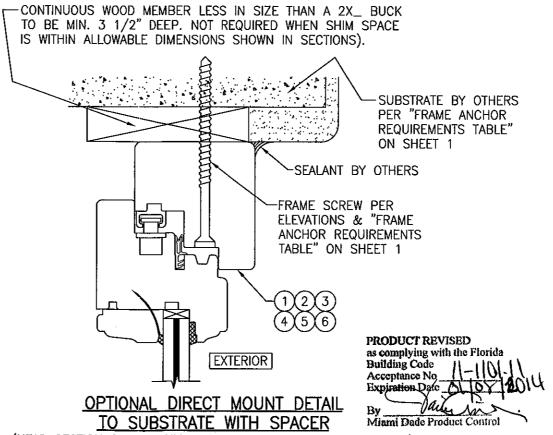
OPTIONAL BTI SCREW DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME) (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

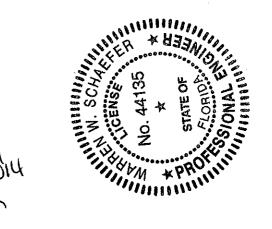


OPTIONAL INSTALLATION BTI BRACKET DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME) (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



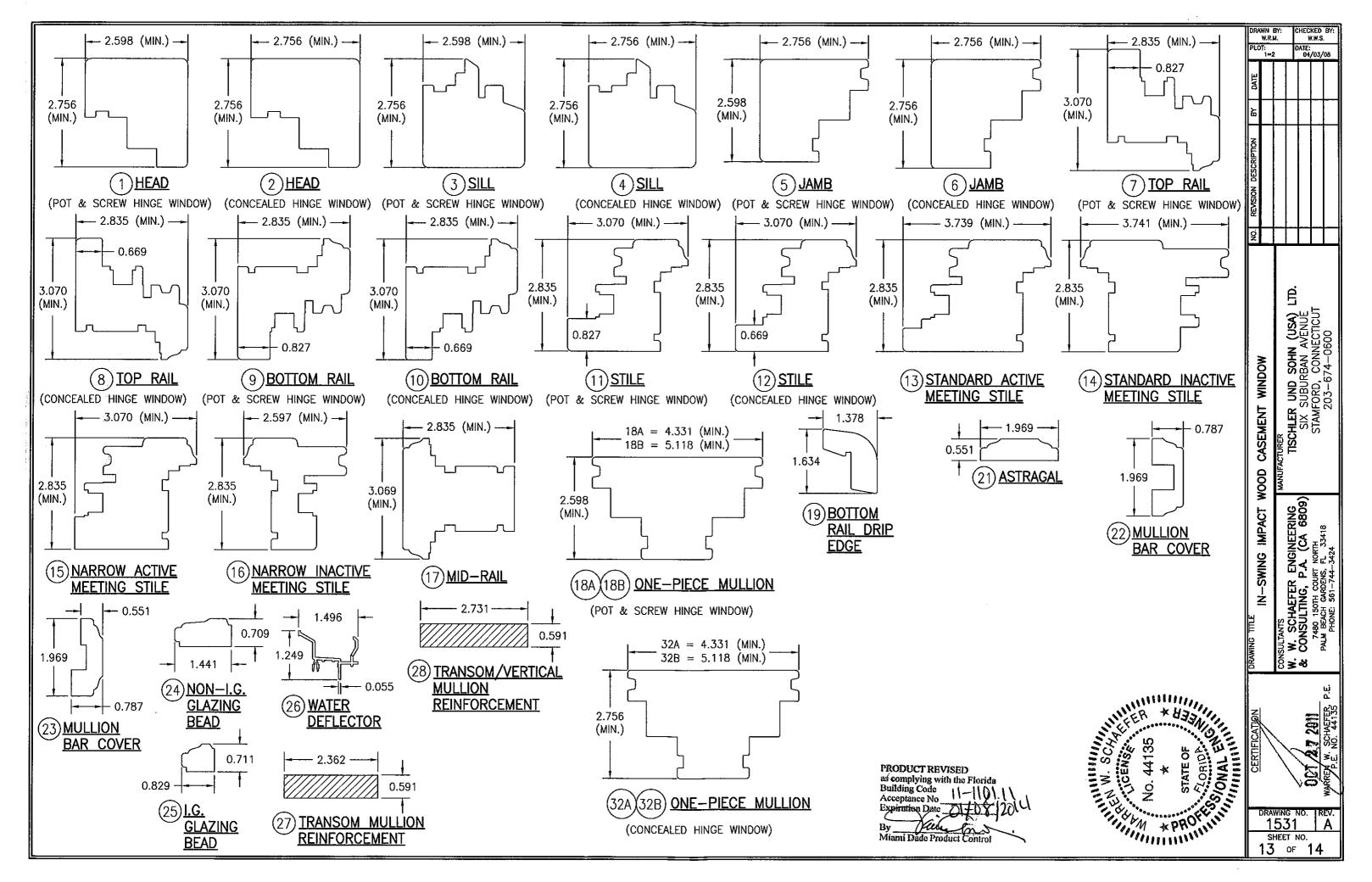
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



1: SH 12	CERTIFICATION	DRAWING TITLE IN—SWING IMPACT M	IN-SWING IMPACT WOOD CASEMENT WINDO
VING 531 HEET OF	MING	CONSULTANTS W. W. SCHAFFER FNGINFFRING	MANUFACTURER TIND S
	GCT 24 2011	& CONSULTING, P.A. (CA 6809)	
<u>А</u> 4	► PREN W. SCHAEFER, P.E.	PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	SIAMITORE, C 203-67

CHECKED BY: W.W.S. DATE: 04/03/08

1=2



ITEM #		MANUFACTURER/NOTES
·	PARTS	
1	HEAD (POT & SCREW HINGE WINDOW)	MAHOGANY
	HEAD (CONCEALED HINGE WINDOW)	MAHOGANY
3	SILL (POT & SCREW HINGE WINDOW)	MAHOGANY
4	SILL (CONCEALED HINGE WINDOW)	MAHOGANY
5 6	JAMB (POT & SCREW HINGE WINDOW)	MAHOGANY
6 7	JAMB (CONCEALED HINGE WINDOW)	MAHOGANY
8	TOP RAIL (POT & SCREW HINGE WINDOW) TOP RAIL (CONCEALED HINGE WINDOW)	MAHOGANY
9	BOTTOM RAIL (POT & SCREW HINGE WINDOW)	MAHOGANY
10	BOTTOM RAIL (POT & SCREW HINGE WINDOW)	MAHOGANY
11	STILE (POT & SCREW HINGE WINDOW)	MAHOGANY
12	STILE (CONCEALED HINGE WINDOW)	MAHOGANY MAHOGANY
13	STANDARD ACTIVE MEETING STILE	MAHOGANY
14	STANDARD INACTIVE MEETING STILE	MAHOGANY
15	NARROW ACTIVE MEETING STILE	MAHOGANY
16	NARROW INACTIVE MEETING STILE	MAHOGANY
17	MID-RAIL	MAHOGANY
18A	ONE-PIECE NON-REINFORCED MULLION	MAHOGANY
	(POT & SCREW HINGE WINDOW)	
18B	ONE—PIECE REINFORCED MULLION	MAHOGANY
	(POT & SCREW HINGE WINDOW)	
19	BOTTOM RAIL DRIP EDGE	MAHOGANY
. 21	ASTRAGAL	MAHOGANY
22	MULLION BAR COVER	MAHOGANY
23	MULLION BAR COVER	MAHOGANY
24	NON-I.G. GLAZING BEAD	MAHOGANY
25	I.G. GLAZING BEAD	MAHOGANY
26	WATER DEFLECTOR	6061-T6 ALUMINUM
27	TRANSOM MULLION REINFORCEMENT	34 KSI STAINLESS STEEL OR A36 STEEL
28	TRANSOM/VERTICAL MULLION REINFORCEMENT	34 KSI STAINLESS STEEL OR A36 STEEL
29	INSTALLATION CLIP	GALVANIZED 54 KSI STEEL
30	ANGLE CLIP	6061-T6 ALUMINUM
31	BTI BRACKET	GALVANIZED 54 KSI STEEL
32A	ONE—PIECE NON—REINFORCED MULLION	MAHOGANY
	(CONCEALED HINGE WINDOW)	
32B	ONE—PIECE REINFORCED MULLION	MAHOGANY
	(CONCEALED HINGE WINDOW)	
7.0	HARDWARE SCREWED IN HINGE	74 740 05005
36	SCREWED IN HINGE	74mm X 16mm GENIATEC GMBH; FE 74WF
		120mm X 16mm GENIATEC GMBH; TUE 120WF
i		85mm X 20mm SIMONS BAKA; C1-20
		130mm X 15mm ANUBA; 515 SM
37	POT HINGE	130mm X 18mm ANUBA; 518 SM
38	CONCEALED HINGE	BY: SIEGENIA AUBI KG TYPE: SI
<u></u>	MULTI-POINT LOCK SYSTEM	BY: SIEGENIA AUBI KG TYPE: UV
JB	(9mm OR 13mm OFFSET)	BY: SIEGENIA AUBI KG TYPE: MUSHROOM
40	HANDLE	AS DECILIDED TO ODEDATE LOCK SYSTEM
TU	SEALS & SEALANTS	AS REQUIRED TO OPERATE LOCK SYSTEM
44	WEATHERSTRIP	THERMOPLASTIC ELASTOMER; BY: DEVENTER
45	WEATHERSTRIP	THERMOPLASTIC ELASTOMER; BY: DEVENTER THERMOPLASTIC ELASTOMER; BY: DEVENTER
		THEMMOLETONO ELPOTOWER, DT. DEVENTER

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
	FASTENERS	
48	OPTIONAL 18 GA. X 1 1/2" S.S. CURVED NAIL	4" FROM CORNERS & 12" MAX. O.C.
49	NO. 8 X 1 1/2" WOOD SCREW	3 PER POT HINGE INTO SASH
50	NO. 8 X 1 1/2" WOOD SCREW	4 PER POT HINGE INTO JAMB
51	NO. 8 X 1 1/2" WOOD SCREW	2 PER CONCEALED HINGE INTO SASH
52	NO. 8 X 1 3/4" WOOD SCREW	4 PER CONCEALED HINGE INTO JAMB
_ 53	NO. 6 X 5/8" WOOD SCREW	2" FROM CORNERS & 4 3/4" MAX. O.C.

CHECKED BY: W.W.S.

DATE: 04/03/08

RAWN BY: W.R.M. OLOT: 1=2

WOOD CASEMENT WINDOW

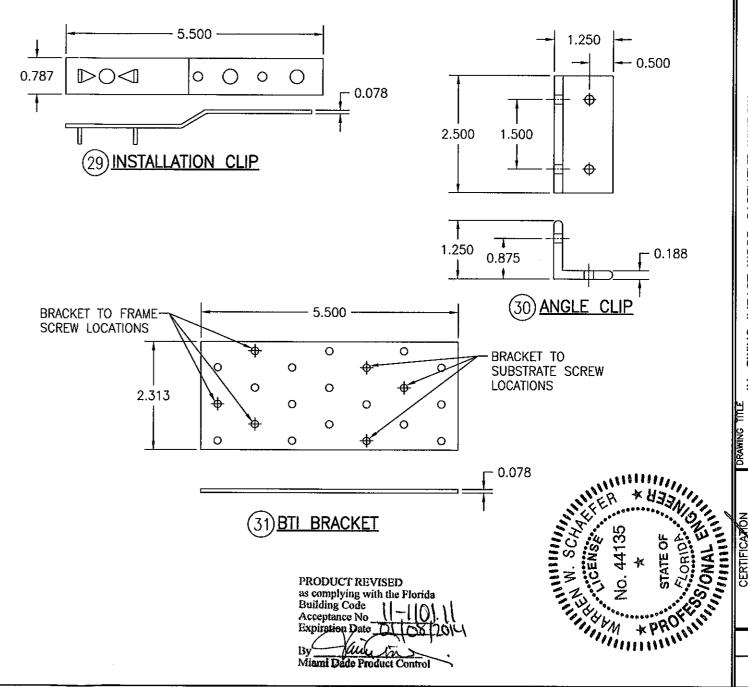
IMPACT

IN-SWING

2011

1531 SHEET NO. 14 or 14

NOTE: WOOD USED IN TESTING WAS SIPO MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.62 AND A MODULUS OF ELASTICITY OF E = 1,6000,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.62 AND MODULUS OF ELASTICITY OF 1,600,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY TISCHLER UND SOHN TO SELECT.



PRODUCT REVISED as complying with the Florida Building Code

Acceptance No